

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-20 (Cancelled)

21. (New) A recording and reproducing device recording and reproducing specific digital content data, comprising:

a detecting unit operable to detect an abuse of a control program controlling the recording and reproducing device; and

a revoking unit operable to halt the use of the recording and reproducing device based on the abuse detected by the detecting unit.

22. (New) A recording and reproducing device according to claim 21, wherein the detecting unit comprises:

an abuse prevention information calculating unit operable to calculate first abuse prevention information by means of the control program controlling the recording and reproducing device and a specific function;

an abuse prevention information storage unit for storing the first abuse prevention information calculated by the abuse prevention information calculating unit; and

a comparing unit operable to compare, if necessary, the first abuse prevention information stored in the abuse prevention information storage unit and second abuse prevention information recalculated by the abuse prevention information calculating unit by means of the

control program and the specific function, and then judging the abuse based on the comparing result.

23. (New) A recording and reproducing device according to claim 22, wherein the abuse prevention information calculating unit calculates and stores the first abuse prevention information in the abuse prevention information storage unit when the recording and reproducing device is powered off, and

the comparing unit compares the first abuse prevention information stored at the power-off of the recording and reproducing device and the second abuse prevention information recalculated by the abuse prevention information calculating unit.

24. (New) A recording and reproducing device according to claim 22, wherein the abuse prevention information storage unit is different from a storage unit storing the control program.

25. (New) A recording and reproducing device according to claim 22, wherein the abuse prevention information calculating unit calculates and stores the first abuse prevention information in the abuse prevention information storage unit when the control program is updated, and

the comparing unit compares the first abuse prevention information stored at the update of the control program and the second abuse prevention information recalculated by the abuse prevention information calculating unit.

26. (New) A recording and reproducing device according to claim 21, wherein at the time of detecting the abuse of the control program, the detecting unit sends the detecting result to a specific abuse detecting server.

27. (New) A recording and reproducing device according to claim 26, wherein the detecting unit further sends a unique ID specifying the recording and reproducing device to the specific abuse detecting server.

28. (New) A recording and reproducing device according to claim 21, wherein the revoking unit halts the use of the recording and reproducing device on the basis of an instruction sent from the detecting unit.

29. (New) A recording and reproducing device according to claim 21, wherein the revoking unit halts the use of the recording and reproducing device on the basis of an instruction sent from a specific abuse detecting server.

30. (New) A recording and reproducing device according to claim 21, wherein the revoking unit halts the use of the recording and reproducing device on the basis of an instruction sent from a broadcast station.

31. (New) A recording and reproducing device according to any one of claims 28-30, wherein the revoking unit dissolves the halt of the use of the recording and reproducing device on the basis of a specific instruction.

32. (New) A control method of controlling a recording and reproducing device recording and reproducing specific digital content data, the method comprising the steps of:
detecting an abuse of a control program controlling the recording and reproducing device;
and
halting the use of the recording and reproducing device based on the abuse detected by the step of detecting the abuse.

33. (New) A computer program product storing a program, when executed, causing a computer controlling a recording and reproducing device recording and reproducing specific digital content data, to perform the steps of:
detecting an abuse of a control program controlling the recording and reproducing device;
and
halting the use of the recording and reproducing device based on the abuse detected by the step of detecting the abuse.

34. (New) A computer readable storage medium storing a program, when executed, causing a computer controlling a recording and reproducing device recording and reproducing specific digital content data, to perform the steps of:
detecting an abuse of a control program controlling the recording and reproducing device;
and
halting the use of the recording and reproducing device based on the abuse detected by the step of detecting the abuse.

35. (New) An abuse detecting device provided to a recording and reproducing device recording and reproducing specific digital content data, the abuse detecting device comprising:

an abuse prevention information calculating unit operable to calculate first abuse prevention information by means of a control program controlling the recording and reproducing device and a specific function;

an abuse prevention information storage unit for storing the first abuse prevention information calculated by the abuse prevention information calculating unit; and

a comparing unit operable to compare, if necessary, the first abuse prevention information stored in the abuse prevention information storage unit and second abuse prevention information recalculated by the abuse prevention information calculating unit by means of the control program and the specific function, and then judging the abuse based on the comparing result.

36. (New) An abuse prevention system including a recording and reproducing device recording and reproducing specific digital content data,

wherein the recording and reproducing device comprises:

a detecting unit operable to detect an abuse of a control program controlling the recording and reproducing device;

a sending unit operable to send a notice of abuse to a specific abuse detecting server when the abuse is detected; and

a revoking unit operable to halt the use of the recording and reproducing device on the basis of an instruction sent from the abuse detecting server, and

wherein the abuse detecting server, in response to the abuse notice sent from the recording and reproducing device, sends the instruction to halt the use of the recording and reproducing device to the recording and reproducing device.

37. (New) A recording and reproducing device recording and reproducing specific digital content data, comprising:

a detecting unit operable to detect an abuse of a control program controlling the recording and reproducing device;

a sending unit operable to send in specific time intervals to a specific abuse detecting server a notice of no abuse detected by the detecting unit; and

a revoking unit operable to enable to operate the recording and reproducing device for a specific period on the basis of a control instruction to permit the use of the recording and reproducing device within a specific period, and, if no control instruction, operable to halt the use of the recording and reproducing device after operating the recording and reproducing device for the specific period.

38. (New) An abuse prevention system including a recording and reproducing device recording and reproducing specific digital content data,

wherein the recording and reproducing device comprises:

a detecting unit operable to detect an abuse of a control program controlling the recording and reproducing device;

a sending unit operable to send in specific time intervals to a specific abuse detecting server a notice of no abuse detected by the detecting unit; and

a revoking unit operable to enable to operate the recoding and reproducing device for a specific period on the basis of a control instruction to permit the use of the recording and reproducing device within the specific period, and, if no control instruction, operable to halt the use of the recording and reproducing device after operating the recording and reproducing device for the specific period, and

wherein the abuse detecting server, in response to the notice of no abuse sent from the recording and reproducing device, sends the instruction to permit the use of the recording and reproducing device for the specific period.